Appl. No. 10/710,596

Amdt. dated March 16, 2007

Reply to Office action of November 16, 2006

## Amendments to the Claims

This listing of the Claims will replace all prior versions and listings of the claims in this patent application.

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## Listing of the Claims

## Claims 1-42. (canceled)

- 10 43. (currently amended) A circuit circuitry component comprising:
  - a semiconductor substrate;
  - a metallization structure over said semiconductor substrate;
  - a silicon-nitride layer over said metallization structure;
  - a circuit trace over said silicon-nitride layer; and
- a resistor connected to said circuit trace.
  - 44. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 43, wherein said resistor comprises silicon with a dopant of boron.
- 45. (currently amended) The <u>circuit circuitry</u> component as claimed in claim 43, wherein said resistor comprises silicon with a dopant of phosphorous.
  - 46. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 43, wherein said resistor comprises silicon with a dopant of arsenic.

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47. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 43, wherein said resistor comprises silicon with a dopant of gallium.

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- 48. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 43 further comprising a polymer layer between said silicon-nitride layer and said circuit trace.
- 5 49. (currently amended) The <u>circuit eircuitry</u>-component as claimed in claim 48, wherein said polymer layer comprises polyimide (PI).
  - 50. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 48, wherein said polymer layer comprises benzocyclobutene (BCB).
  - 51. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 43 further comprising a polymer layer on said circuit trace.
- 52. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 51, wherein said polymer layer comprises polyimide (PI).
  - 53. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 51, wherein said polymer layer comprises benzocyclobutene (BCB).
- 54. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 43, wherein said circuit trace comprises a copper layer.
  - 55. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 54, wherein said circuit trace further comprises a nickel layer over said copper layer.
  - 56. (currently amended) The <u>circuit eircuitry</u>-component as claimed in claim 54, wherein said circuit trace further comprises a gold layer over said copper layer.

- 57. (currently amended) The <u>circuit eircuitry</u>-component as claimed in claim 54, wherein said circuit trace further comprises a titanium-containing layer under said copper layer.
- 5 58. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 57, wherein said titanium-containing layer comprises tungsten.
  - 59. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 54, wherein said circuit trace further comprises a chromium-containing layer under said copper layer.
  - 60. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 43, wherein said circuit trace comprises a gold layer.
- 61. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 60, wherein said circuit trace further comprises a titanium-containing layer under said gold eopper-layer.
- 62. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 61, wherein said titanium-containing layer comprises tungsten.
  - 63. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 43, wherein said metallization structure comprises aluminum.
- 64. (currently amended) A <u>circuit eircuitry</u>-component comprising:
  multiple MOS devices;
  a metallization structure over said multiple MOS devices;
  a passivation layer over said metallization structure;

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- a circuit trace over said passivation layer; and a resistor connected to said circuit trace.
- 65. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 64, wherein said resistor comprises silicon with a dopant of boron.
  - 66. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 64, wherein said resistor comprises silicon with a dopant of phosphorous.
- 67. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 64, wherein said resistor comprises silicon with a dopant of arsenic.
  - 68. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 64, wherein said resistor comprises silicon with a dopant of gallium.
  - 69. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 64 further comprising a polymer layer between said <u>passivation silicon nitride</u> layer and said circuit trace.
- 70. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 69, wherein said polymer layer comprises polyimide (PI).
  - 71. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 69, wherein said polymer layer comprises benzocyclobutene (BCB).
  - 72. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 64 further comprising a polymer layer on said circuit trace.

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- 73. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 72, wherein said polymer layer comprises polyimide (PI).
- 74. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 72, wherein said polymer layer comprises benzocyclobutene (BCB).
  - 75. (currently amended) The <u>circuit eireuitry</u> component as claimed in claim 64, wherein said circuit trace comprises a copper layer.
  - 76. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 75, wherein said circuit trace further comprises a nickel layer over said copper layer.
- 77. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 75, wherein said circuit trace further comprises a gold layer over said copper layer.
  - 78. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 75, wherein said circuit trace further comprises a titanium-containing layer under said copper layer.
  - 79. (currently amended) The <u>circuit eircuitry</u> component as claimed in claim 78, wherein said titanium-containing layer comprises tungsten.
- 80. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 75, wherein said circuit trace further comprises a chromium-containing layer under said copper layer.

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- 81. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 64, wherein said circuit trace comprises a gold layer.
- 82. (currently amended) The <u>circuit circuitry</u> component as claimed in claim 81,

  wherein said circuit trace further comprises a titanium-containing layer under said

  gold copper-layer.
  - 83. (currently amended) The <u>circuit eireuitry</u>-component as claimed in claim 82, wherein said titanium-containing layer comprises tungsten.
  - 84. (currently amended) The circuit eireuitry component as claimed in claim 64, wherein said metallization structure comprises aluminum.
  - 85. (new) The circuit component as claimed in claim 43, wherein said resistor is in said semiconductor substrate.
    - 86. (new) The circuit component as claimed in claim 43, wherein said resistor is under said silicon-nitride layer.
- 87. (new) The circuit component as claimed in claim 64 further comprising a semiconductor substrate under said metallization structure, wherein said resistor and said multiple MOS devices are in said semiconductor substrate.
- 88. (new) The circuit component as claimed in claim 64, wherein said resistor is under said passivation layer.